

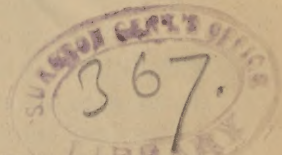
LANE. (I. J.)

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Repor. from N. Am. J. Hornes.

# CONVALLARIA MAJALIS.

## A THESIS.

By IRVIN J. LANE.



THERE is a statement made in the Chicago *Medical Times*, of November, 1882, that *Convallaria* has been used for some time among the Russian physicians. All the experiments that have been made, point to its close similarity to *Digitalis*.

It is claimed by those who are enthusiastic in its praise, that it has not the cumulative effect of *Digitalis*, but the experiments do not prove this. Its ultimate primary effect on the heart of warm or cold blooded animals, is to cause "tetanic contraction of the ventricles." This is just what occurs when we get the so-called cumulative effects of *Digitalis*.

Its effects upon the heart may be briefly summed up as follows:

1. Retardation of the cardiac contractions, with increase of blood pressure.
2. After the period of retardation there follows a strongly pronounced acceleration of the contractions, with still greater increase of blood pressure.
3. Arrest of heart-beat, with diminution of blood pressure.
4. Tetanic contractions of the ventricles, with throbbing auricles. Death.
5. Like *Digitalis*, *small* doses primarily accelerated the pulse. No mention is made of its causing intermittent or irregular heart-beat, but it *cures* both.

The above statements were made before there had been any proving of the drug. The Allopaths use it, according to the *Medical Record* of Jan. 27th, 1883. In cases needing a heart tonic, they give as cases from which they have good results:

1. Cases of Bright's disease, where the circulation seemed at fault: six cases.
2. Cases of deficient circulation from organic cardiac disease: five cases.
3. Cases of heart failure from pneumonia in old people: two cases.
4. Heart failure in typhoid fever: five cases.
5. Two cases of emphysema and bronchitis (one of them with asthma), where the pulmonary condition offered an obstruction to the circulation.

The dose employed in these experiments varied from 5 to 20 drops, except in two cases, where they gave *one drachm of the fluid extract*. According to the symptoms or diseases for which they give Convallaria, they give it according to the homœopathic law, as you will see by the provings. Experiments of Isaac Ott, M.D. (*Archives of Medicine*, Feb., 1883). These experiments demonstrate

1. That Convallaria increases the arterial tension greatly; at the same time the heart begins to beat more frequently; that the heart begins to fall before the arterial tension.
2. The decrease of cardiac frequency is not due to cardiac inhibitory exaltation, but to an action on the heart itself, probably its muscular structure.
3. The rise of arterial tension is mainly due to stimulation of the vaso-motor apparatus, than the main vaso-motor centres.
4. The drug causes clonic spasms.

#### PROVING OF CONVALLARIA MAJALIS TINCTURE, BY I. J. LANE.

I made a note of my symptoms for only two days before taking Convallaria, and as I thought this was not as long a period as I should have taken, I did not record any symptoms that I could remember of ever having before, so I think there will be no symptoms noted that were not caused by the medicine. I was in good health before taking Convallaria, with the exception of a slight coryza. Age, 21; health good; eyes blue;



hair brown; head large; form stout; features full; habits good; bowels regular; urine normal; chest large and full.

December 24th, 1882, I began proving *Convallaria majalis*, by taking tincture, prepared by adding seven parts of water and alcohol to one of the fluid extract of the flowers, three times a day between meals.

Dec. 24th, 11 A.M., took 2 drops; 2 P.M., felt sleepy after coming in a warm room; 3 P.M., took 3 drops; feel very sleepy in a warm room; 8 P.M., took 5 drops. Urine, specific gravity, 10.32; contained some earthy phosphates, and according to Moor's test, between one and two per cent. of sugar.

Dec. 25th, 8 A.M., urine, 10.25; contained about one per cent. of sugar; 12 M., took 5 drops; 5 P.M., took 5 drops; 9 P.M., took 5 drops. Urine, specific gravity, 10.28; contained some phosphates.

Dec. 26th, 11 A.M., took 5 drops; 4 P.M., took 5 drops; 6 P.M., while riding I had a cramp on inner side of right thigh, which would come quickly and gradually go away; continued for about a minute, relieved by straightening my leg out and pressing my foot against something; 10 P.M., took 5 drops.

Dec. 27th, 10 A.M., took 5 drops; 4 P.M., took 5 drops; 8 P.M., took 5 drops; specific gravity of urine, 10.26; it contained quite an amount of phosphates.

Dec. 28th, 9.30 A.M., took 10 drops; 4 P.M., took 10 drops.

Dec. 29th, 9 A.M., took 5 drops; 8 P.M., took 10 drops. Eructations after supper, tasting of food eaten about four hours before. Specific gravity of urine, 10.32; contained some sugar, and quite an amount of phosphates.

Dec. 30th, awoke about 2 A.M., and was very restless for some time; then after sleeping again for a short time awoke again very restless; 11 A.M., took 5 drops; 9 P.M., had a dull colic-like pain in left iliac region, relieved by micturition; 11 P.M., took 5 drops.

Dec. 31st, after going to bed had a rheumatic-like pain in left elbow, aggravated by motion. I awoke between 2 and 3 A.M., was very restless the remainder of the night.

Jan. 1st, 1883, awoke about 2 or 3 A.M., was very restless the remainder of the night; 10 A.M., after walking a short distance, had a dull aching pain in lumbar region, worse on right side;

aggravated by motion, taking a deep breath, or sitting up straight. This pain passed away between 11 and 12 in the forenoon.

Jan. 2d, awoke about 2 A.M., but was not as restless as for the past three nights; 8 A.M., sore pain in lumbar region has passed away.

Jan. 3d, awoke about 2 A.M., was restless for a little while, then went to sleep again, but awoke at 5 A.M. and was very restless until morning. Sore, aching pain in lumbar region, commenced about 5 A.M. and continued until about 10 A.M., when it gradually passed away; 8 P.M., sharp stinging pains beneath the sternum at about the third rib, which radiates in all directions for a circumference of about four inches.

Jan. 5th, pain in back scarcely noticeable.

Jan. 6th, 10.15 P.M., took 40 drops; at 10.45 P.M., felt very sleepy.

Jan. 7th, 11 A.M., took 40 drops; 4.30 P.M., took 16 drops; felt sleepy afterwards for some time; 6 P.M., dry suffocating sensation in throat; and colic-like pains in the right umbilical region, which come quickly and pass off slowly. 6.40 P.M., while at stool had a sore, burning sensation at the anus during the passage; this sensation I have had for about a week, but have neglected to make a note of it before. Two stools to-day; 7 P.M., pain under point of left scapula on lifting the arm; 10 P.M., took 40 drops.

Jan. 8th, 11 A.M., took 40 drops; 12.45 P.M., had an uneasy feeling in abdomen for some time, and on going out in open air, had colic-like pain in abdomen, increased by walking. Sleepy feeling when sitting down; 4 P.M., had a pulsating ear-ache on left side with heat in ear, only lasted a few minutes; 4.30 P.M., took 40 drops; 7 P.M., after eating, had a sore, aching pain in middle hypogastric region, which came on gradually and passed off quite suddenly; aggravated by sitting up straight; feel sleepy during the pain; 11 P.M., took 40 drops.

Jan. 9th, 12 M., took 60 drops. At times I have a dull, aching pain in hypogastric region, with feeling of fulness and desire for stool; relieved by stool. While proving *Convallaria*, I saw a gentleman who had a dull, aching pain in infra-scapular region, aggravated by motion of the arm, especially raising



it up; he had been troubled with this pain since the previous morning, causing him quite a little suffering; thinking to give the medicine a trial, I gave him one drop of *Convallaria* on the tongue; the next day I inquired of him about the pain, he said he had not had it since taking the medicine, but did have it at the time I gave him the medicine; 11 P.M., took 60 drops; upon coming in the house after a walk, saw imaginary gray-colored spots about three inches square, in different parts of the room. Had two natural stools to-day.

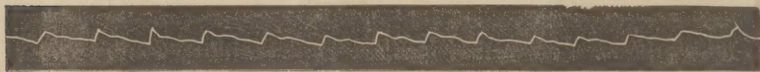
Jan. 10th, 9 A.M., was quite restless last night, toward morning; 11 A.M., took 80 drops; 4 P.M., took 80 drops. Had a dull, heavy pain in head; more marked in vertex. Feeling of fulness, with dull pain in hypogastric region; with desire for stool; 8 P.M., dull headache, commencing in vertex, extending down to temporal region. Full feeling, with dull pain in hypogastric region, causing desire for stool; 10 P.M., took 80 drops. Headache still continues; ameliorated by walking in open air. See gray-colored spots about three inches square, after coming in from a walk; 10.20 P.M., dull pain and sensation of fulness in hypogastric region, mostly right side, with desire for stool; during stool I had a colic-like pain in right hypogastric region, which only lasted a moment; the dull pain before stool continued after stool, but the full feeling nearly disappeared. Have had two natural stools to-day. Headache has nearly passed away, there being only a slight dull feeling in vertex on right side; 10.40 P.M., sore, aching pain in lower part of abdomen, causing me to hold my breath; lasting only a moment, passing off into a dull ache; feel sleepy during the pain; 11 P.M., pain in right nipple; came on slowly and increased to a sharp pain, then gradually passed off; I had this pain every three or four minutes for a number of times. Sore pain in lower part of abdomen, causing me to hold my breath. Headache all disappeared.

Jan. 11th, 9.30 A.M., had a dull, aching pain in hypogastric region all night, whenever I was awake, until after 5.30 A. M., when I awoke I had the pain, I soon went to sleep again; after that time, whenever I would be awake, I did not feel the pain. After I arose, when coughing, there would be a sore pain in hypogastric region; also when taking a deep breath, but not

as marked ; 7 P. M., took 80 drops. Slightly thin stool of brown color and offensive odor ; with tenesmus and heat at anus after stool. Had urine examined at the laboratory ; specific gravity 10.22, there was nothing abnormal except quite an excess of earthy phosphates ; 1.30 P.M., intermittent colic-like pains in lower part of abdomen while eating ; would come at intervals of about a minute ; 1.40 P.M., sharp shooting pains in left nipple ; come suddenly and pass off in a moment, leaving a sore feeling ; 6 P.M., have had a sore feeling in hypogastric region all the afternoon ; aggravated between 5 and 6 o'clock ; 6.30 P.M., colic-like pains while eating, causing me to hold my breath ; worse when commencing to eat ; aggravated by sitting up straight or leaning back ; causes a sleepy feeling. Sharp pains in right nipple ; 7.10 P.M., sharp pain in right nipple, lasting about half a minute then passed off, leaving a sore feeling. Also, sharp pains in region of right kidney which left a sore feeling. Uneasy feeling in abdomen, followed by colic, causing a desire for stool ; tenesmus during stool, with only a small passage ; 11 P.M., took 80 drops. Sore feeling all through the abdomen, aggravated by coughing or being in a warm room ; feel better in open air or while exercising.

Jan. 12th, 9.30 A.M., had an examination by Professor Dowling of heart, lungs, liver and spleen ; all organs were normal except the heart ; there he found the area of cardiac dulness normal ; movements of heart could not be seen by inspection ; by palpation the heart could not be felt beating as hard as normal against the chest walls ; apex in normal position ; no mitral or tricuspid regurgitation ; all sounds normal, except being somewhat weak ; pulse very weak, and easily compressible ; when hand was extended above the head the pulse was slightly dicrotic. Professor also took a sphygmographic tracing of right radial artery, which was as is here shown. 12.30 P.M., took 80 drops. 1 P.M., sore feeling in hypogastric region,

RIGHT RADIAL.—TRACING TAKEN BY DR. DOWLING.



Irvin J. Lane—Has been taking Fl. Ex. of *Convallaria* April 21st—January 12th, 1883—Since December 24th, 1882.



with colic-like pains, which commenced soon after commencing to eat, coming at intervals of about one minute and lasting about half a minute; pains continued for about ten minutes. 6.30 P.M., took 130 drops. Eructations of fat all the afternoon; sore feeling in whole abdomen when coughing; feel better in open air. 10.45, took 280 drops.

Jan. 13th, 11 A.M., took 130 drops; 6 P.M., took 160 drops; 11 P.M., took 220 drops; face has a pinched look.

Jan. 14th, 9 A.M., took 240 drops; 1 P.M., took 280 drops. Feel very weak; head feels dull; face looks pinched, and very sallow; pulse very weak; when holding my arm above the head it was imperceptible; my hand turned pale, became numb, and soon went to sleep. 5 P.M., took 280 drops. Eructations of fat. 8 P.M., felt very faint upon having gums touched lightly with point of a knife, so that I had to lay down; feel better in open air. 11 P.M., took 280 drops.

Jan. 15th, 9 A.M., took 280 drops; 2 P.M., took 280 drops; 4 P.M., dull aching pain in hypogastric region, with dull feeling in the head; eructations of fat since dinner; 7 P.M., dull aching pain in hypogastric region, with dull feeling in head; relieved by stool; two stools to-day.

Jan. 16th, after exercising enough so I perspired freely, my face was of a smoked color, and remained so all day. 6 P.M., took 280 drops; very dark lines under the eyes; 8 P.M., sharp aching pain in left nipple; 9 P.M., tenesmus during stool, with inactivity of rectum; two stools of natural consistency; pulse while sitting, 77; temperature,  $97\frac{1}{2}^{\circ}$ ; my temperature before taking *Convallaria* was between  $99^{\circ}$  and  $100^{\circ}$ . 11 P.M., took 280 drops.

Jan. 17th, 12 M., took 280 drops; 6 P.M., took 280 drops; have had two stools to-day, and there was an uneasy feeling in lower part of abdomen, for some time before each stool; stools slightly thin, and a very offensive odor. 9.30 P.M., examination of heart and pulse by Prof. J. W. Dowling; heart sounds feeble; pulse compressible, and remained compressed for a few minutes after compressing it; holding my hand above my head, the pulse was very feeble, being scarcely perceptible, and very compressible, as compared with a very anæmic female, her pulse was a great deal stronger than mine. On

auscultation anæmic murmurs were heard over the jugular veins. Pulse, 76; temperature, 98°; two stools to-day; stopped taking medicine.

Jan. 18th, have had a dull feeling in my head all day; getting gradually worse until now at 7.20 P.M., I have a very dull headache, with a sleepy feeling; pulse, 79; temperature, 98 $\frac{3}{4}$ °. Only one stool to-day.

Jan. 19th, after breakfast felt very dull and sleepy, as if I had not slept any during the night; pulse, 75; temperature, 98 $\frac{3}{4}$ °.

From Jan. 19th to Jan 28th had only one stool each day.

#### PROVING OF CONVALLARIA MAJALIS, BY MRS. C. E. LANE.

I do not think there are any symptoms recorded in this proving that were not caused by the drug, as she was very careful not to make a note of any symptoms that was common for her to have. She was in good health before taking Convallaria. Age 28; health good; eyes dark brown; head large; form stout and fleshy; habits good; bowels slightly constipated; chest well developed.

Jan. 7th, 1883, commenced taking Convallaria Majalis; taking the tincture prepared by adding four parts water, four of alcohol, to one part of the fluid extract of the flower, three times per day, between meals. 4.30 P.M., took 10 drops. In a few moments warm perspiration broke out over whole body, which was very uncommon, as she *never* perspires naturally, except in axilla; went to sleep in a few minutes after taking first dose; pains in ankles and wrists commenced slightly before going to sleep, but were much worse after sleep; after sleep, wrists and ankles ache very hard; very restless; aching pain in lumbar region; colic-like pains commencing in right side of abdomen and going to left; labor-like pains in sacro-iliac synchondrosis, on both sides, as in first stage of labor, with bearing down sensation extending across the pelvis, but seemed harder at both sides than in the middle; aggravated by sitting down, especially sitting up straight, or leaning back; ameliorated by standing or leaning forward while sitting; the labor-like pains come and go at intervals of about five minutes,



each time coming harder until they increased to a certain height, when they seemed to remain the same; she described these pains as being just like the real labor pains; went to sleep between all the pains. Suffocating sensation in the throat, as if she could not get her breath. Frequent desire to urinate, but only a little passed, which seemed scalding hot, but left no smarting; 5.45 P.M., labor-like pains come at regular intervals, about every two or three minutes, and last about one minute, but are not quite as hard as they were; they come quick and pass off slowly; sleepy between the pains; 6 P.M., pains come and go about the same intervals, but decrease in severity; feels sleepy between the pains; 6.40 P.M., labor-like pain continues about the same, except the interval between has increased to about four minutes; the backache and wristache are about the same, but the pain in the ankles has nearly disappeared; the pain in ankles extended from about one inch above the instep, up the leg about four inches; 7 P.M., ankles do not ache at all; pains in back and wrists gradually passing off; labor-like pains have changed to a dull, heavy ache; all letters look alike while reading; 7.15 P.M., all pains changed to a dull ache, and are gradually passing away; 7.30 P.M., knees feel sore while walking; 8 P.M., all pains have slowly disappeared.

Jan. 8th, sensation in abdomen, as if she were filling up; causing dyspnoea; desire to take a deep breath when sitting down; sensation as if the abdomen was larger than it really was, but is somewhat distended when sitting. Dull, aching, paroxysmal pain in abdomen; causing desire for stool; relieved by stool; had four stools to-day between 2 and 5 P.M., all of natural consistency; eructations of gas; tasting of what had been eaten. Dull, aching pain across region of kidneys from 2 to 4 P.M.; sensation in right breast as if milk was coming in breast, followed by sharp, stitching pains, which all centre in the nipple; these pains were from 3 to 4 P.M.; all symptoms aggravated from 2 to 5 P.M. When reading, sees small words as (the, it, too, etc.) before the beginning of a sentence, which is not there, and letter P is substituted for other letters; mind wanders away from subject when reading. Depression of

mind; upper eyelids feel heavy when looking up; short paroxysms of hot suffocating feeling, with slight perspiration all over the body at no particular time.

Jan. 9th, had no symptoms.

Jan. 10th, same symptoms as she had Jan. 8th.

Jan. 11th, no symptoms.

Jan. 12th, the same symptoms as she had Jan. 8th and 10th, only they were not as severe.

Jan. 13th, 2 P.M., took 20 drops; 6 P.M., took 24 drops; 6.30 P.M., felt very sleepy, could scarcely keep from going to sleep. Sensation as if she was getting fat internally; so filling her up. Blotches like mosquito bites on anterior part of thigh and foot, and both sides of back; 7.30 P.M., sore, dull pain between lower angles of scapula; 8 P.M., the dull, aching, sore pain between lower end of the scapula extended up and down the spine. Labor-like pains in sacro-iliac synchondrosis region, which is worse on right side, extending down along the inner side of right thigh; these labor-like pains come at intervals of about three or four minutes; feels sleepy all the while, as if she was all tired out from some bodily exertion, but has done nothing through the day to cause this feeling. Dull, grumbling pain in the bowels, as if they would move; sensation of abundance of flatus in the bowels, that would surely pass off, but can retain it; feels irritable when asked a question.

Jan. 14th, blotches on the body like mosquito bites, which itched so last night when undressing, that she scratched the skin off in places; they continued to itch for about half an hour after getting into bed. Awoke between 12 and 1 A.M., and was very restless for about two hours, with a burning, hot feeling all over the body; 10 A.M., took 28 drops; 11.30 A.M., blotches on body commenced to itch like mosquito bites; could hardly keep from scratching them. Labor-like pains in sacro-iliac synchondrosis, worse on right side, and running down the leg; they come about every three or four minutes, and last from thirty seconds to one minute; 2 P.M., blotches do not itch as much as they did; labor-like pains continue much the same; 4 P.M., labor-like pains still continue, but not as hard; aggravated by motion; sitting up straight or leaning back.



Pain commencing in anterior part of abdomen; on the right side, same as in second stage of labor, but extends higher up. The blotches do not itch much; 6 to 8 P.M., sensation as if a large cord extended from sacro-iliac synchondrosis to inguinal region, and this cord was pulled down by the pelvic organs; worse on right side, sensation as if the uterus is descended and retroverted; the fundus of uterus pressing on the rectum, causing a very hard aching pain in rectum and anus; the pain is continuous and unbearable. Sensation as if the rectum was full of gas; not relieved by pressing flatus. Labor-like pains commenced about 6 P.M., and gradually increased until 7 P.M., then gradually decreased; aggravated by sitting; and extended up the back and caused nausea and a faint, sick feeling, with hunger; when lying on the back the pains were relieved, and there was a sensation in abdomen, as if a fetus at eight months was kicking; aggravated by being on the feet. Head feels dull and heavy; dull, heavy ache over the eyes, with a sleepy feeling; 8 P.M., intense itching at orifice of the vagina, continuing all night; 10 P.M., while sitting, had a severe cramp in right leg just below the knee; relieved by standing (never subject to cramps of any kind), it passed off quickly but returned soon after sitting down; cramps continued to come and go for about thirty minutes.

Jan. 15th, 8.15 A.M., on raising head from pillow had a faint, dizzy feeling, like morning sickness; nausea relieved by vomiting a few mouthfuls of a clear substance tasting like phlegm. The itching at orifice of vagina has extended to meatus urethra. 9 A.M., took 36 drops; 10 A.M., pressive aching pain under lower angle of right scapula, which comes suddenly, and passes off gradually; ameliorated by bending the shoulders backward; constant yawning and gaping after the pain, lasting about five minutes. The itching at orifice of vagina still continues. 2 P.M., took 40 drops; 3 P.M., uneasy feeling in hypogastric region, with colic-like pains; these pains lasted fifteen minutes; then there was an urgent call to stool; colic relieved by stool; stool slightly light-colored; natural consistency, with slight tenesmus after stool; very offensive, smelling like decayed meat; 5.30 P.M., pressive aching

pain under lower angle of right scapula, as at 10 A.M.; had four stools to-day since 2 P.M.; very slightly thinner than common; light brown color, and offensive, like decayed meat; about fifteen minutes before each stool, there was an uneasy feeling in the bowels with slight pain, which continues until there is an urgent call for stool, and there is no time to lose. 8 P.M., all symptoms the same as they were at 8 P.M. last night: only not quite as marked. All symptoms are ameliorated in open air; aggravated by laughing or coughing, causing a sore bruised feeling in right hypogastric region; feel greatly exhausted during the labor-like pains; also feel sleepy. The itching at orifice of vagina gradually extended from the meatus urethra all over the labia, with great hyperæmia but no eruption; at 8 P.M., it was almost unbearable, and caused a feeling as if she must weep, aggravated by the slightest motion of legs, and relieved by applying *cold water*.

Jan. 16th, morning sickness, same as yesterday morning, took no medicine; and the itching and hyperæmia of vulva have gradually passed away. She took no more medicine on account of the great dread of the above symptom, and did not take any more until all the effects of the medicine had passed away; and on February 2d commenced taking *Convallaria* again. 9.15 P.M., took fifty drops; temperature normal; pulse, 76. February 3d, 10 A.M., took 55 drops. Sharp pulsating pain in middle ear on right side; when swallowing tympanum of right ear seemed to bulge; relieved by pressing on the temporal artery in front of the ear. 2 P.M., took 55 drops; 6 P.M., took 55 drops; 6.45 P.M., after exercising for about ten minutes, immediately after eating, had nausea, and faint feeling, with vomiting of a small quantity of mucus that tasted and was like the slime from oysters; in about five minutes had nausea and easy vomiting of the same substance (she had eaten no oysters); two stools to-day.

Feb. 4th, feel sick all over; dull heavy aching in right eye and temple; about every fifteen minutes a dull pain from right eye over the top of the head and down right side of the neck. Sensation as if the heart had palpitated. 11 A.M., worse in every way; when exercising there would be a flutter-



ing of the heart, which would last about a minute; then the face would get red, and sensation as if her heart stopped beating, and would start again very suddenly, causing a very faint sick feeling. Pulse full, compressible and intermittent; aggravated by motion; ameliorated by lying down; after lying quietly for a little while, felt better and was hungry; all symptoms relieved by eating, but would return again in thirty minutes; great prostration; kept up with great effort, until 12 M., then had to go to bed. At 9 P.M., when first bearing her weight on her feet they were numb; then in a minute it seemed as though they were filled with needles (or as if asleep), and she was so weak that she could not walk across the room without assistance.

Feb. 5th, rested well last night, but still very weak; feeling as if she was just recovering from a long sickness; 8 P.M., itching on anterior part of thigh, but no eruption; 9 P.M., pulse 75, full, very compressible and imperceptible, with hand extended above the head; temperature normal; two stools to-day, very offensive; dull aching pain under lower angle of right scapula, lasting about five minutes.

PROVING OF CONVALLARIA MAJALIS, BY JAS. A. VANSANT.

Dec. 27th, 1882, 11.20 A.M., took 10 drops; 5.45 P.M., 10 drops; 9.20 P.M., 10 drops.

Dec. 28th, 9 A.M., took 15 drops; 3 P.M., 15 drops; 9.30 P.M., 15 drops.

Dec. 29th, 10 A.M., took 15 drops; 3 P.M., 20 drops; 9.20 P.M., 20 drops.

Dec. 30th, 9.30 A.M., took 20 drops; 3 P.M., 25 drops; 8.30 P.M., 25 drops.

Dec. 31st, 9 A.M., took 25 drops; 3.30 P.M., 25 drops; 10 P.M., 25 drops.

Jan. 1st, 1883, 10 A.M., took 25 drops; 3.30 P.M., 25 drops; 9.30 P.M., 25 drops.

Jan. 2d, 9.30 A.M., took 25 drops; 3 P.M., 25 drops; dull heavy headache, principally in occipital region, with dull burning pain in small spot, just back of the mastoid process; 10 P.M., took 25 drops; headache continues, with pressing pain in both eyes and stiffness of muscles of neck; cannot study.

Jan. 3d, 9 A.M., no medicine, headache nearly gone; on asking Mr. Vansant whether he was subject to headaches of the above description he said he was, so I cannot record that symptom as being caused by the drug. Mr. Vansant made an examination of his urine before taking Convallaria, and found everything normal, except earthy phosphates, of which he found a slight amount.

Jan. 3d, he made another examination and found a moderate amount of earthy phosphates, traces of glucose and a slight amount of urophain.

Jan. 9th, 10 P.M., took 25 drops.

Jan. 10th, 10 A.M., took 30 drops; 3.45 P.M., 35 drops; 9.30 P.M., 40 drops.

Jan. 11th, 9.20 A.M., took 45 drops; 4 P.M., 50 drops; 9.30 P.M., 50 drops.

Jan. 12th, 10 A.M., took 50 drops, no effect; urine tested by Dr. Dunning, found normal.

Symptoms arranged according to parts of body. The symptoms underlined are those we both had while taking Convallaria majalis, excepting those of the female organs; those were very marked, or occurred a number of times.

**Mind.**—Depression; mind wanders from subject when reading; feels irritable when asked a question.

**Head.**—Vertigo in the morning, with faint feeling; dull headache, commencing in vertex and extending to temporal region; *dull feeling in the head*; dull heavy ache over the eyes; dull aching in right eye and temple, with pain from eye extending over top of head and down right side of neck about every fifteen minutes.

**Eyes.**—On going from a dark room into the light sees gray-colored spots about three inches square in different parts of the room; all letters look alike when reading; sees small words before the beginning of a sentence; the letter P is substituted for other letters; upper eyelids feel heavy when looking up; dull aching pain in right eye.

**Ear.**—Pulsating pain in left ear, with heat; pulsating pain in right middle ear; when swallowing tympanum of right ear seems to bulge out, relieved by pressing on temporal artery in front of ear.



**Face.**—Smoked color, after exercise; looked pinched.

**Throat.**—*Dry suffocating sensation*, as if she could not get her breath.

**Stomach.**—*Eructations tasting of fat; sometime after eating eructations tasting of food; nausea and faint feeling in the morning, followed by vomiting a small quantity of a clear substance tasting like phlegm; nausea after eating and exercise, with vomiting of mucus, tasting like slime from oysters; increased appetite.*

**Abdomen.**—Dull colic-like pain in left iliac region, relieved by micturition; colic-like pains in umbilical region, come suddenly and pass off slowly; *uneasy sensation, causing desire for stool; colic in lower part of abdomen; sore aching pain in hypogastric region; sore aching pain in lower part of abdomen, causing me to hold my breath; feel sleepy during pains; coughing causes sore pain in hypogastric region; colic-like pains commencing on right side, and going to left; sensation as if she was filling up, causing dyspnœa; abdomen seems larger than it really is, although somewhat distended when sitting; dull aching paroxysmal pain, causing desire for stool, relieved by stool; laughing or coughing causes a sore feeling in lower part of abdomen.*

**Stool and Anus.**—Sore burning pain at anus during stool; *uneasy sensation in abdomen, causing desire for stool; dull aching pain in hypogastric region, with feeling of fulness and desire for stool, relieved by stool; slight diarrhœa; diarrhœa between two and six P.M., offensive odor, like decayed meat, light brown color; slight tenesmus; dull grumbling pain in bowels as if they would move; sensation of an abundance of flatulence in abdomen that would pass at any time but can retain it; rectum full of gas, not relieved by passing flatus; uneasy feeling in hypogastric region, with colic; would last about fifteen minutes, then there would be an urgent call for stool, which would relieve.*

**Urinary Organs.**—*Some sugar and phosphates; frequent desire to urinate, passing only a small quantity at a time; urine seemed scalding hot, but left no smarting.*

**Thorax.**—*Sharp pains in right or left nipple; sharp radiating pains beneath the upper part of sternum.*

**Female Organs.**—*Labor-like pains in sacro-iliac synchondrosis, as in first stage of labor; bearing down sensation worse on right side; sleepy between the pains; pains come quick and pass off slowly; labor-like pains extending along inner side of right thigh; all the above pains aggravated by motion, sitting up straight or leaning back; relieved by bending forward. Pain commencing in anterior part of abdomen on right side, as in second stage of labor, but extending up higher; sensation as if a large cord extended from sacro-iliac synchondrosis to inguinal region, which was pulled down by the pelvic organs; worse on right side. Uterus seems descended and retroverted, the fundus of uterus pressing on the rectum, causing a very hard, aching pain in rectum and anus. This pain was described as continuous and unbearable; labor-like pains extending up sides of back, causing nausea and faintness, with hunger; pain relieved when lying on back, but then there was a sensation as if a foetus at eight months was kicking in abdomen; aggravated by being on her feet; sensation in right breast as if milk were coming in breast, followed by sharp, stinging pains centering in the nipple; intense itching, commencing at orifice of vagina and gradually extending to meatus urethræ, and all over the labia, with great hyperæmia but no eruption; it was almost unbearable, causing a feeling as if she must weep; aggravated by the slightest motion of legs; relieved by applying cold water. Raising head from pillow in the morning, had a feeling like morning sickness; relieved by vomiting a small quantity of a clear substance, tasting like phlegm. Eructations during the labor-like pains.*

**Respiratory Organs.**—Dyspnoea, caused by a sensation as if she were filling up in the abdomen; desire to take a deep breath when sitting.

**Heart and Pulse.**—*Heart's action very weak; pulse very weak and compressible; dicrotic pulse; heart-sounds feeble; anæmic murmur heard over jugular vein; pulse imperceptible, with hand extended above the head; sensation as if the heart had been palpitating; when exercising, heart would flutter for about a minute, then the face would get red, and then there was a sensation as if heart stopped beating, starting again very suddenly, causing a faint feeling; pulse full, compressible and inter-*



*mittent.* These symptoms under heart and pulse are very characteristic of the drug.

**Neck and Back.**—*Dull aching, or sore pain in lumbar region; aggravated by sitting up straight or leaning back; sharp or dull pain under lower angle of scapula, ameliorated by bending the shoulders back; sharp pains in region of right kidney; at 2 P.M., dull aching pain between lower angles of scapula, extending up and down the spine; pressive aching pain under lower angle of right scapula; constant gaping and yawning after the pain.*

**Lower Limbs.**—Cramps in inner side of right thigh, relieved by pressing foot against something; aching pain in ankles; knees sore while walking; cramps in calf of right leg while sitting, relieved by standing; passed off quickly, returned after sitting down; when first bearing weight on her feet after lying down they were numb, then a sensation as if the soles of feet were full of needles (or asleep).

**Upper Limbs.**—Rheumatic pains in left elbow-joint, at night, on exposure to cold; ameliorated by motion; hand numb, and went to sleep upon holding it above the head; aching pains in wrists.

**Generalities.**—Pains leave a sore feeling; *feel sleepy between the pains*; faint feeling from slight cause; hand went to sleep when extended above the head; sharp pains in nipples; sensation as if getting fat inside, filling her up; sleepy and all tired out, as from bodily exertion; sick feeling all over; great prostration; feeling as if just recovering from a long sickness.

**Skin.**—Blotches like mosquito bites, commencing on anterior part of thigh; great itching, not relieved by scratching; worse on exposure to the air; itching on anterior part of thigh, but no eruption.

**Sleep.**—Sleepy on going in a warm room from open air; *sleepy while in warm room; awoke about 2 A.M., be very restless for some time, then go to sleep again, and sleep until about 5 A.M., then awake again, and would be very restless until morning; restless after sleeping between the pains.*

**Fever.**—Burning, hot feeling, over the body after midnight; temperature decreased; perspiration over whole body; short

paroxysms of hot, suffocating sensation, with perspiration over body.

**Stomach.**—Nausea and vomiting after eating, of mucus, tasting like slime from oysters; increased appetite; symptoms relieved by eating, but returning again soon.

**Aggravations.**—*Sitting up straight or leaning back*, laughing or coughing, every other day.

**Amelioration.**—*In open air*, by exercise, standing, lying down, *leaning forward while sitting*, eating.